

AMENDMENTS TO THE CLAIMS

Please cancel claims 16, 24, 26, and 27 without prejudice or disclaimer and amend claims 1-15, 28, and 31-38 as follows:

1. (Currently Amended) An application method for supporting a medical treatment system, the system comprising an input/display device, a storage, and a controller, said input/display device including input means and display means, and a said storage comprising a first database that stores a history of input stroke information automatically and a second database that stores explicit saving operations initiated by a user, said input stroke information comprising handwritten strokes, said controller comprising a display data generation controller, a storage data update controller, and a print data generation controller, and the method comprising:

the input/display device receiving said input stroke information by handwriting, said handwriting comprising directly touching a surface of said display means with said input means, said input/display device comprising a liquid-crystal pen-tablet unit, said liquid crystal pen-table unit comprising said input means and said display means integrally combined, said input means comprising a pen-tablet pointer having a pen shape, said display means being one of a liquid-crystal display and a plasma display panel;

first storing said input stroke information in a vector representation in said storage using said display data generation controller;

displaying said input stroke information on said display using said display data generation controller;

first determining whether an a data identifier has been received in said input stroke information, said storage data update controller performing said first determining such that if said data identifier is received in said input stroke information, then said first determining comprises:

searching for an intra-identifier code according to said data identifier and free input,
said storage data update controller performing said searching; and

data-identifier recording said intra-identifier code, said storage data update controller
performing said data-identifier recording;

free-input recording said free input, said storage data update controller performing said free-
input recording;

enabling said user to save said intra-identifier code and said free input in said storage storing
data in the storage substantially all as medical data;

the input means moving in a sliding manner on a sheet label displayed at a particular position
on a screen by the display means; and

the input/display device reading, when the input means moves onto said sheet label, data
stored in said storage in relation to said sheet label from said storage, and displaying the data by
conducting a change-over operation for said sheet label;

second determining whether said intra-identifier code and said free input are saved in said
storage, said second determining using said storage data update controller to control said second
determining such that, if said intra-identifier code and said free input are not saved in said storage, a
restoring operation is conducted, then said restoring operation comprises:

third determining whether a first change in said storage has occurred;

returning to said input/display device receiving said input stroke information to repeat
said application method up to said second determining if said first change in said storage has
occurred; and

first ending said application method if said first change in said storage has not
occurred;

declaring a falsification of said intra-identifier code and said free input to be impossible if said restoring operation is not conducted;

fourth determining whether a second change in said storage has occurred;

second ending said application method if said second change in said storage has not occurred;

and

if said second change in said storage has occurred, generating a copy of said storage without said intra-identifier code and said free input storage, recording said second change in said storage, and ending said application method wherein said identifier comprises a data identifier that identifies stored data corresponding to an intra-identifier code.

2. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 1, wherein, when segments of an input field are displayed, segment labels are assigned to the segments according to a plurality of data identifiers previously specified to the respective segments.

3. (Currently Amended) The application method for supporting a medical treatment system claimed in claim 1, wherein, in the storage, the medical data are stored after one of a depression of a lock button and an operation to explicitly close a medical report.

4. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

conducting character recognition processing of a said receiving of said input stroke information to determine if a character is received in said input stroke information,

wherein said input/display device conducts said character recognition processing for said input stroke information inputted from said input means and comprising an array of values of coordinates, converts by said character recognition processing said input stroke information into text data including an array of character codes, and displays the text data.

5. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 2, further comprising:

conducting character recognition processing of a said receiving of said input stroke information to determine if a character is received in said input stroke information,

wherein said input/display device conducts said character recognition processing for said input stroke information inputted from said input means and comprising an array of values of coordinates, converts by said character recognition processing said input stroke information into text data including an array of character codes, and displays the text data.

6. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 3, further comprising:

conducting character recognition processing of a said receiving of said input stroke information to determine if a character is received in said input stroke information,

wherein said input/display device conducts said character recognition processing for said input stroke information inputted from said input means and comprising an array of values of coordinates, converts by said character recognition processing said input stroke information into text data including an array of character codes, and displays the text data.

7. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 3, wherein, when segments of an input field are displayed, segment labels are assigned to the segments according to a plurality of data identifiers previously specified to the respective segments.

8. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 7, further comprising:

conducting character recognition processing of a said receiving of said input stroke information to determine if a character is received in said input stroke information,

wherein said input/display device conducts said character recognition processing for said input stroke information inputted from said input means and comprising an array of values of coordinates, converts by said character recognition processing said input stroke information into text data including an array of character codes, and displays the text data.

9. (Currently Amended) An application method for supporting a medical treatment system, the system comprising an input/display device, a storage, and a controller, said input/display device including input means and display means, and a said storage comprising a first database that stores a history of input stroke information automatically and a second database that stores explicit saving operations initiated by a user, said input stroke information comprising handwritten strokes, said controller comprising a display data generation controller, a storage data update controller, and a print data generation controller, and the method comprising:

receiving said input stroke information by handwriting on said input/display device, said handwriting comprising directly touching a surface of said display means with said input means, said input/display device comprising a liquid-crystal pen-tablet unit, said liquid crystal pen-table unit

comprising said input means and said display means integrally combined, said input means comprising a pen-tablet pointer having a pen shape, said display means being one of a liquid-crystal display and a plasma display panel;

first storing said input stroke information in a vector representation in said storage using said display data generation controller;

displaying said input stroke information on said display using said display data generation controller; and

first determining whether an a data identifier has been received in said input stroke information, said storage data update controller performing said first determining such that if said data identifier is received in said input stroke information, then said first determining comprises:

searching for an intra-identifier code according to said data identifier and free input, said storage data update controller performing said searching; and

data-identifier recording said intra-identifier code, said storage data update controller performing said data-identifier recording;

free-input recording said free input, said storage data update controller performing said free-input recording;

enabling said user to save said intra-identifier code and said free input in said storage;
second determining whether said intra-identifier code and said free input are saved in said storage,
said second determining using said storage data update controller to control said second determining
such that, if said intra-identifier code and said free input are not saved in said storage, a restoring
operation is conducted, then said restoring operation comprises:

third determining whether a first change in said storage has occurred;

returning to said input/display device receiving said input stroke information to repeat said application method up to said second determining if said first change in said storage has occurred; and

first ending said application method if said first change in said storage has not occurred;

declaring a falsification of said intra-identifier code and said free input to be impossible if said restoring operation is not conducted;

fourth determining whether a second change in said storage has occurred;

second ending said application method if said second change in said storage has not occurred;
and

if said second change in said storage has occurred, generating a copy of said storage without said intra-identifier code and said free input storage, recording said second change in said storage, and ending said application method,

wherein said method further comprises one of:

a first operation comprising the input means moving in a sliding manner on a sheet label displayed at a particular position on a screen by the display means, the input/display device reading, when the input means moves onto said sheet label, data stored in the storage in relation to said sheet label from the storage, and displaying the data by conducting a change-over operation for said sheet label;

a second operation comprising the input means dragging a particular input field selected from a plurality of input fields displayed at particular positions on a screen by the display means and dropping the particular input field onto said sheet label, and the storage storing data of said particular input field with a relationship established to said sheet label;

a third operation comprising the input means moving in a horizontal direction in a sliding manner to cross an input field displayed at a position on a screen by the display means, and the input/display device displaying the input field, the input field being subdivided into segments;

a fourth operation comprising the input means dragging a segment on a screen by the display means and dropping the segment onto said sheet label, and the storage storing data of the segment with a relationship established to said sheet label;

a fifth operation comprising the input means moving from a first point to a second point on an image displayed at a position on a screen by the display means, and the input/display device measuring a distance of movement between the first and the second points and displaying the distance over the image; and

a sixth operation comprising the input means moving to draw a trace beginning at a point on an image displayed at a position on a screen by the display means, and the input/display device rotating the image according to a length and a direction of the trace and displaying the rotated image, ~~and wherein said identifier comprises a data identifier that identifies stored data corresponding to an intra identifier code.~~

10. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 9, wherein, when segments of an input field are displayed, segment labels are assigned to the segments according to a plurality of data identifiers previously specified to the respective segments.

11. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 10, further comprising:

conducting character recognition processing of a said receiving of said input stroke information to determine if a character is received in said input stroke information,

wherein said input/display device conducts said character recognition processing for said input stroke information inputted from said input means and comprising an array of values of coordinates, converts by said character recognition processing said input stroke information into text data including an array of character codes, and displays the text data..

12. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 9, wherein, in ~~the~~ an operation to read data from said storage and to display the data, when an unchangeable state is beforehand set to the data, said input/display device displays an item indicating that the data cannot be changed.

13. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 10, wherein, in ~~the~~ an operation to read data from said storage and to display the data, when an unchangeable state is beforehand set to the data, said input/display device displays an item indicating that the data cannot be changed.

14. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 11, wherein, in ~~the~~ an operation to read data from said storage and to display the data, when an unchangeable state is beforehand set to the data, said input/display device displays an item indicating that the data cannot be changed.

15. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 1, wherein, in ~~the~~ an operation to read data from said storage and to display

the data, when an unchangeable state is beforehand set to the data, said input/display device displays an item indicating that the data cannot be changed.

16. (Canceled).

17. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

the input means dragging a particular input field selected from a plurality of input fields displayed at particular positions on a screen by said display means and dropping the particular input field onto said sheet label; and

said storage storing data of said particular input field with a relationship established to said sheet label.

18. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

the input means moving in a horizontal direction in a sliding manner to cross an input field displayed at a position on a screen by the display means; and

the input/display device displaying the input field, the input field being subdivided into segments.

19. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

the input means dragging a segment on a screen by the display means and dropping the segment onto the sheet label; and

the storage storing data of the segment with a relationship established to the sheet label.

20. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

the input means moving from a first point to a second point on an image displayed at a position on a screen by the display means; and

the input/display device measuring a distance of movement between the first and the second points and displaying the distance over the image.

21. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

the input means is moving to draw a trace beginning at a point on an image displayed at a position on a screen by the display means; and

the input/display device rotating the image according to a length and a direction of the trace and displaying the rotated image.

22. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

the input means dragging an input field selected from a plurality of input fields displayed at positions on a screen by the display means and moving the input field in the screen; and

the input/display device one of minimizing and magnifying one of the input field and other input fields on the screen according to movement of the input field dragged by the input means.

23. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

the input means dragging a segment of the segments of the input field displayed at positions on a screen by the display means and moving the segment in the screen; and

the input/display device one of minimizing and magnifying at least one of the segment and other segments on the screen according to movement of the segment dragged by the input means.

24. (Canceled).

25. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 1, further comprising:

the input means dragging a sheet label displayed at positions on a screen by the display means and moving the sheet label upward; and

the input/display device reading data stored in the storage in relation to the sheet label from the storage and displaying the data below the sheet label based on the type of stored data.

26. (Canceled).

27. (Canceled).

28. (Currently Amended) A medical treatment support system comprising:

an input/display device comprising a liquid-crystal pen-tablet unit, said liquid-crystal pen-tablet unit comprising an including input means and a display means integrally combined, said input means comprising a pen-tablet pointer having a pen shape, said input means for receiving a first input

stroke information by handwriting, said input stroke information comprising handwritten strokes, sand handwriting comprising directly touching a surface of said and display means with said input means, said display means being one of a liquid-crystal display and a plasma display panel;

a storage comprising:

a first database that stores a history of said input stroke information automatically; and

a second database that stores explicit saving operations initiated by a user;

a controller comprising a display data generation controller, a storage data update controller, and a print data generation controller;

a first input stroke information storing module for a first storing of said input stroke information in a vector representation in said storage using said display data generation controller;

an input stroke information displaying module for displaying said input stroke information on said display using said display data generation controller;

means for first determining whether an a data identifier has been received in said input stroke information, said means for first determining comprising said storage data update controller that performs said first determining such that if said data identifier is received in said input stroke information, an intra-identifier code searching module of said means for first determining searches for an intra-identifier code according to said data identifier and free input, said storage data update controller performing said searching, and a data-identifier intra-identifier code recording module for data-identifier recording said intra-identifier code, said storage data update controller performing said data-identifier recording;

means for conducting character recognition processing of a said receiving of said a-second input stroke information to determine if a character has been received in said second input stroke information;

a free-input recording module for recording said free input, said storage data update controller performing said free-input recording;

a user enabling module for enabling said user to save said intra-identifier code and said free input in said ~~and~~ a storage, ~~wherein the storage stores data~~ substantially all as medical data;

means for second determining whether said intra-identifier code and said free input are saved in said storage, said second determining means using said storage data update controller to control said second determining such that, if said intra-identifier code and said free input are not saved in said storage, then a restoring operation conducting module is implemented to conduct a restoring operation, said restoring operation conducting module comprising:

means for third determining whether a first change in said storage has occurred;

an input/display device receiving returning module for returning to said input/display device to receive said input stroke information if said first stage in said storage has occurred; and

a first ending module for ending use of said medical treatment support system;

a falsification declaring module for declaring a falsification of said intra-identifier code and said free input to be impossible if said restoring operation is not conducted;

means for fourth determining whether a second change in said storage has occurred;

a second ending module for ending use of said medical treatment support system if said second change in said storage has not occurred; and

a copy-generating, second-change recording module for generating a copy of said storage without said intra-identifier code and said free input storage, recording said second change in said storage, and ending use of said medical treatment support system if said second change in said storage has occurred,

wherein the input means drags a particular input field selected from a plurality of input fields displayed at particular positions on a screen by said display means and drops the particular input field onto a sheet label, and

wherein said storage stores data of said particular input field with a relationship established to said sheet label, ~~and wherein said identifier comprises a data identifier that identifies stored data corresponding to an intra-identifier code.~~

29. (Previously Presented) The medical treatment support system claimed in claim 28, wherein data in the storage is stored after one of a depression of a lock button and an operation to explicitly close a medical report.

30. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 9, said method further comprising one of:

a seventh operation comprising the input means dragging an input field selected from a plurality of input fields displayed at positions on a screen by the display means and moving the input field in the screen, and the input/display device one of minimizing and magnifying one of the input field and other input fields on the screen according to movement of the input field dragged by the input means;

an eighth operation comprising the input means dragging a segment of the segments of the input field displayed at positions on a screen by the display means and moving the segment in the screen, and the input/display device one of minimizing and magnifying at least one of the segment and other segments on the screen according to movement of the segment dragged by the input means; and

a ninth operation comprising the input means dragging a sheet label displayed at positions on a screen by the display means and moving the sheet label upward, and the input/display device reading data stored in the storage in relation to the sheet label from the storage and displaying the data below the sheet label based on the type of stored data.

31. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 1, wherein said data identifier comprises an input device identifier that identifies an identity of an input operator.

32. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 1, wherein said data identifier comprises a screen identifier that identifies a screen where said input stroke information is ~~strokes are~~ stored.

33. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 9, wherein said data identifier comprises an input device identifier that identifies an identity of an input operator.

34. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 9, wherein said data identifier comprises a screen identifier that identifies a screen where said input stroke information is ~~strokes are~~ stored.

35. (Currently Amended) The medical treatment support system claimed in claim 28, wherein said data identifier comprises an input device identifier that identifies an identity of an input operator.

36. (Currently Amended) The medical treatment support system claimed in claim 28, wherein said data identifier comprises a screen identifier that identifies a screen where said input stroke information is ~~strokes are~~ stored.

37. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 4, further comprising:

the input means dragging a particular input field selected from a plurality of input fields displayed at particular positions on a screen by said display means and dropping the particular input field onto said sheet label;

said storage storing data of said particular input field with a relationship established to said sheet label;

the input means dragging a sheet label displayed at positions on a screen by the display means and moving the sheet label upward;

the input/display device reading data stored in the storage in relation to the sheet label from the storage and displaying the data below the sheet label based on the type of stored data;

the input means dragging a segment of the segments of the input field displayed at positions on a screen by the display means and moving the segment in the screen; and

the input/display device one of minimizing and magnifying at least one of the segment and other segments on the screen according to movement of the segment dragged by the input means,

wherein said data identifier comprises an input device identifier that identifies an identity of an input operator,

wherein, when segments of an input field are displayed, segment labels are assigned to the segments according to a plurality of data identifiers previously specified to the respective segments,

wherein, in the storage, the data are stored after one of a depression of a lock button and an operation to explicitly close a medical report,

wherein said character comprises a letter,

~~wherein said input/display device comprises a pen-tablet device,~~

wherein said data identifier comprises a screen identifier that identifies a screen where said input stroke information is ~~strokes are~~ stored, and

wherein, in ~~the~~ an operation to read data from said storage and to display the data, when an unchangeable state is beforehand set to the data, said input/display device displays an item indicating that the data cannot be changed.

38. (Currently Amended) The application method for supporting a medical treatment system in accordance with claim 11, wherein said method further comprises said first operation, said second operation, said third operation, said fourth operation, said fifth operation, and said sixth operation,

wherein, when segments of an input field are displayed, segment labels are assigned to the segments according to identifiers previously specified to the respective segments,

wherein, in ~~the~~ an operation to read data from said storage and to display the data, when an unchangeable state is beforehand set to the data, said input/display device displays an item indicating that the data cannot be changed,

~~wherein said input/display device comprises a pen-tablet device,~~

wherein said character comprises a letter,

wherein said data identifier comprises a screen identifier that identifies a screen where said input stroke information is ~~strokes are~~ stored, and

wherein said data identifier comprises an input device identifier that identifies an identity of an input operator.

39. (Previously Presented) The application method for supporting a medical treatment system in accordance with claim 38, wherein said method further comprises:

a seventh operation comprising the input means dragging an input field selected from a plurality of input fields displayed at positions on a screen by the display means and moving the input field in the screen, and the input/display device one of minimizing and magnifying one of the input field and other input fields on the screen according to movement of the input field dragged by the input means;

an eighth operation comprising the input means dragging a segment of the segments of the input field displayed at positions on a screen by the display means and moving the segment in the screen, and the input/display device one of minimizing and magnifying at least one of the segment and other segments on the screen according to movement of the segment dragged by the input means;
and

a ninth operation comprising the input means dragging a sheet label displayed at positions on a screen by the display means and moving the sheet label upward, and the input/display device reading data stored in the storage in relation to the sheet label from the storage and displaying the data below the sheet label based on the type of stored data.